UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/697,968	10/30/2003	Eric Lawrence Barsness	ROC920030021US1	8987

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EXAMINER
ONI, OLUBUSOLA

ART UNIT	PAPER NUMBER
2168	

DATE MAILED: 10/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/697,968	BARSNESS ET AL.
	Examiner	Art Unit	
	OLUBUSOLA ONI	2168	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *19 July 2006*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-15,18-20,23,26 and 27* is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-15,18-20,23 and 26-27* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All b)☐ Some * c)☐ None of:

   1.☐ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
   Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1.   This action is responsive to communication: Application, filed on 07/19/2006.

2.   Claims 16-17, 21-22 and 24-25 have been cancelled.

Response To Arguments

3.   Applicant's arguments with respect to claims 1-15, 18-20, 23 and 26-27 have

been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

4.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign

country or in public use or on sale in this country, more than one year prior to the date

of application for patent in the United States.

5.   Claims 1-15, 18-20, 23 and 26-27 are rejected under 35 U.S.C. 102(b) as being

anticipated by Reiter et al. (PAT No U.S 5,666,526).

       For claim 1, Reiter teaches "at least one processor" (Col. 6, lines 1-4) "a memory

coupled to the at least one processor"(Col. 6, lines 1-6); and

"a database query processor residing in the memory and executed by the at least

one processor(Col. 6, lines 1-15) the database query processor processing a first query to generate a first result set by interrogating a database(Col. 4, lines 59-64, Col. 10, lines 3-58), and, if a second query may be satisfied by the first result set, generating a second result set from the first result set without caching the first result set and without interrogating the database for the second query"([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 10, lines 25-Col. 11, lines 7] wherein in response to a first query, generating a query table. However, retrieving the result from the query table; a reference to the source table when another request is received. Reads on applicants claim language)

For claim 2, Reiter teaches "wherein the database query processor processes the first query (Col. 4, lines 59-64, Col. 10, lines 3-58), and while processing the first query evaluates at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set, wherein the database query processor returns the first result set to the first query and uses the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set"([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7]).

For claim 3, Reiter teaches "wherein the database query processor delays processing a plurality of received queries, groups compatible received queries together, generates a new query for each group that will produce a result set that will satisfy all queries in the group, processes each new query, and generates from the result set of each new query

at least one other result set for queries in the group corresponding to the new

query"([Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7] wherein Reiter's teachings

include submitting several queries at the same time and returns the query result, reads

on applicants claim language)

For claim 4, Reiter teaches "at least one processor (Col. 6, lines 1-4) a memory coupled

to the at least one processor (Col. 6, lines 1-6); and a database query processor

residing in the memory and executed by the at least one processor (Col. 6, lines1-15),

the database query processor processing a first query to generate a first result set, and

while processing the first query evaluating at least one other query that is received

during the processing of the first query to determine whether the at least one other

query is satisfied by the first result set, the database query processor returning the first

result set to the first query and uses the first result set to generate at least one other

result set for any of the at least one other query that is satisfied by the first result

set"([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 6, lines 31-52, Col. 10, lines 25-Col.

11, lines 7]).

For claim 5, Reiter teaches "at least one processor" (Col. 6, lines 1-4) "a memory

coupled to the at least one processor (Col. 6, lines 1-6); and a database query

processor residing in the memory and executed by the at least one processor (Col. 6,

lines1-15), the database query processor delaying processing a plurality of received

queries, grouping compatible received queries together, generating a new query for

each group that will produce a result set that will satisfy all queries in the group,

processing each new query, and generating from the result set of each new query at

least one other result set for queries in the group corresponding to the new query([Col.

6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7] wherein Reiter's teachings include

submitting several queries at the same time and returns the query result, reads on

applicants claim language)

For claim 6, Reiter teaches "wherein the database query processor delays processing

the plurality of received queries for a predetermined time period" (Col. 6, lines 31-41).

For claim 7, Reiter teaches "wherein the database query processor delays processing

the plurality of received queries until a predetermined number of the plurality of queries

has been received"(Col. 6, lines 31-41).

For claim 8, Reiter, teaches "processing a first query to generate a first result set (Col.

4, lines 59-64, Col. 10, lines 3-58) receiving a second query; and if the second-query

may be satisfied by the first result set, generating a second result set from the first result

set without caching the first result set and without interrogating the database"([Col. 4,

lines 43-45, Col. 6, lines 17-30, Col. 10, lines 25-Col. 11, lines 7] wherein in response to

a first query, generating a query table. However, retrieving the result from the query

table; a reference to the source table when another request is received. Reads on

applicants claim language)

As per claims 9-10, these claims are rejected on grounds corresponding to the arguments given above for rejecting claims 2-3 and are similarly rejected.

For claim 11, Reiter teaches "processing a first query to generate a first result set while processing the first query (Col. 4, lines 59-64, Col. 10, lines 3-58), evaluating at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set; returning the first result set to the first query; and using the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set"([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7]).

As per claim 12, this claim is rejected on grounds corresponding to the arguments given above for rejecting claim 10 and is similarly rejected.

For claim 13, Reiter teaches "wherein the step of delaying processing the plurality of received queries delays for a predetermined time period" (Col. 6, lines 31-41).

For claim 14, Reiter teaches "wherein the step of delaying processing the plurality of received queries delays until a predetermined number of the plurality of queries has been received" (Col. 6, lines 31-41).

For claim 15, Reiter teaches " a database query processor that processes a first query

to generate a first result set by interrogating a database (Col. 4, lines 59-64, Col. 10,

lines 3-58), and, if a second query may be satisfied by the first result set, the database

query processor generates a second result set from the first result set without caching

the first result set and without interrogating the database for the second query; and

recordable media bearing the database query processor"([Col. 4, lines 43-45, Col. 6,

lines 17-30, Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7]).

For claim 18, Reiter teaches "wherein the database query processor processes the first

query (Col. 4, lines 59-64, Col. 10, lines 3-58), and while processing the first query

evaluates at least one other query that is received during the processing of the first

query to determine whether the at least one other query is satisfied by the first result

set, wherein the database query processor returns the first result set to the first query

and uses the first result set to generate at least one other result set for any of the at

least one other query that is satisfied by the first result set"([Col. 6, lines 31-52, Col. 10,

lines 25-Col. 11, lines 7]

For claim 19, Reiter teaches "wherein the database query processor delays processing

a plurality of received queries, groups compatible received queries together, generates

a new query for each group that will produce a result set that will satisfy all queries in

the group, processes each new query, and generates from the result set of each new

query at least one other result set for queries in the group corresponding to the new

query"([Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7] wherein Reiter's teachings

include submitting several queries at the same time and returns the query result, reads

on applicants claim language)

For claim 20, Reiter teaches "wherein the database query processor processes the first

query (Col. 4, lines 59-64, Col. 10, lines 3-58), and while processing the first query

evaluates at least one other query that is received during the processing of the first

query to determine whether the at least one other query is satisfied by the first result

set, wherein the database query processor returns the first result set to the first query

and uses the first result set to generate at least one other result set for any of the at

least one other query that is satisfied by the first result set and media bearing the

database query processor"([Col. 4, lines 43-45,Col. 6, lines 1-15, Col. 6, lines 17-52,

Col. 10, lines 25-Col. 11, lines 7]).

For claim 23, Reiter teaches "a database query processor delays processing a plurality

of received queries, groups compatible received queries together, generates a new

query for each group that will produce a result set that will satisfy all queries in the

group, processes each new query, and generates from the result set of each new query

at least one other result set for queries in the group corresponding to the new query and

media bearing the database query processor"([Col. 6, lines 1-15, Col. 6, lines 31-52,

Col. 10, lines 25-Col. 11, lines 7] wherein Reiter's teachings include submitting several

queries at the same time and returns the query result, reads on applicants claim
language)

For claim 26, Reiter teaches "wherein the database query processor delays processing
the plurality of received queries for a predetermined time period" (Col. 6, lines 31-41).

For claim 27, Reiter teaches "wherein the database query processor delays processing
the plurality of received queries until a predetermined number of the plurality of queries
has been received"(Col. 6, lines 31-41).

CONCLUSION

6.   The following prior art cited on the PTO-892 form, not relied upon, is considered

pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to OLUBUSOLA ONI whose telephone number is 571-272-

2738. The examiner can normally be reached on 7.30-5.00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, TIM VO can be reached on 571-272-3642. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

KHANH B. PHAP
PRIMARY EXAM.

OLUBUSOLA ONI

Examiner

Art Unit 2168